

ABSTRACT OF THE DISCLOSURE

In a spherical-aberration correcting mechanism which electrically drives and changes the lens group gap of two groups of lenses so as to correct spherical aberration, in order to reduce the power consumption thereof, the optical recording/reproducing apparatus of the present invention is arranged so that, upon recording or reproducing a recording medium having a plurality of recording layers, supposing that the gap of the lens groups at the time of forming a converged light spot on the first recording layer is $DIS(1)$, the applied current to the spherical-aberration correcting mechanism is i_1 , the gap of the lens groups at the time of forming a converged light spot on the N -th layer (the farthest layer from the surface of the recording medium) is $DIS(N)$ and the applied current to the spherical-aberration correction mechanism is i_2 , $|i_1| = |i_2|$ is satisfied, and the neutral point of the spherical-aberration correcting mechanism is set at a position satisfying the following expression: lens group gap dst (3) = $((DIS(1) + DIS(N)) / 2)$.